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## OWNER'S MANUAL

### MODEL NO.

#### **ST60022Q**

START SERIAL # L305-042001

#### **ST65022Q**

START SERIAL # L305-042001

#### **ST65022DXQ**

START SERIAL # L305-039001

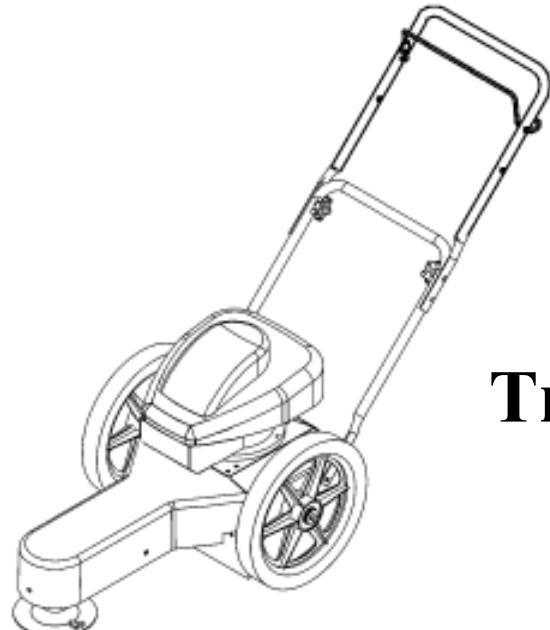
#### **ST6002212V**

START SERIAL # L305-109001



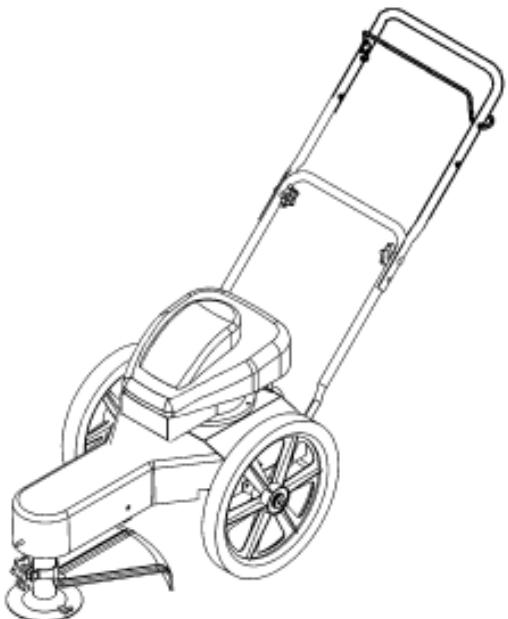
**IMPORTANT**  
Read and follow all  
Safety Precautions  
and Instructions  
before operating this  
equipment.

Rev 06-032



### **Trim-N-Mow**

### **Trim-Max**



**Assembly  
Operation  
Service and Adjustment  
Repair Parts**



1602 CORPORATE DRIVE, P.O. BOX 67, WARRENSBURG, MISSOURI 64093  
PHONE 660-747-8183 FAX 660-747-8650

**Manufacturing quality lawn care equipment since 1945**

*Made In The*

**USA**

## **LIMITED WARRANTY**

The manufacturer's warranty to the original consumer purchaser is: This product is free from defects in materials and workmanship for a period of two (2) years from the date of purchase by the original consumer purchaser. We will repair or replace, at our discretion, parts found to be defective due to materials or workmanship. This warranty is subject to the following limitations and exclusions:

**1) Engine Warranty**

All engines utilized on our products have a separate warranty extended to them by the individual engine manufacturer. Any engine service difficulty is the responsibility of the engine manufacturer and in no way is Swisher Mower Co., Inc. or its agents responsible for the engine warranty. The Briggs & Stratton Engine Service Hot-Line is 1-800-233-3723. The Tecumseh Engine Service Hot-Line is 1-800-558-5402.

**2) Commercial Use**

This product is not intended for commercial use and carries no commercial warranty.

**3) Limitation**

This warranty applies only to products which have been properly assembled, adjusted, and operated in accordance with the instructions contained within this manual. This warranty does not apply to any product of Swisher Mower Co., Inc., that has been subject to alteration, misuse, abuse, improper assembly or installation, shipping damage, or to normal wear of the product.

**4) Exclusions**

Excluded from this warranty are normal wear, normal adjustments, and normal maintenance.

In the event you have a claim under this warranty, you must return the product to an authorized service dealer. All transportation charges, damage, or loss incurred during transportation of parts submitted for replacement or repair under this warranty shall be borne by the purchaser. Should you have any questions concerning this warranty, please contact us toll-free at 1-800-222-8183. The model number, serial number, date of purchase, and the name of the authorized Swisher dealer from whom you purchased the mower will be needed before any warranty claim can be processed.

**THIS WARRANTY DOES NOT APPLY TO ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES AND ANY IMPLIED WARRANTIES ARE LIMITED TO THE SAME TIME PERIODS STATED HEREIN FOR ALL EXPRESSED WARRANTIES.** Some states do not allow the limitation of consequential damages or limitations on how long an implied warranty may last, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may have other rights, which vary from state-to-state. This is a limited warranty as defined by the Magnuson-Moss Act of 1975.

# Safety Instructions



**This Safety Alert Symbol indicates important messages in this manual. When you see this symbol, carefully read the message that follows and be alert to the possibility of personal injury.**

- Read, understand and follow all instructions in the manual and on the trimmer before starting
- Read this manual carefully. Become familiar with the controls and how to operate the unit properly.
- Only allow responsible adults, who are familiar with the instructions, to operate the unit.
- Clear the area of objects such as rocks, toys, etc. that could be thrown by the unit.
- Be sure the area is clear of other people before trimming. Stop the unit if anyone enters the area.
- Be aware of the direction of the trimmer discharge and do not direct it at anyone. Do not direct trimmer discharge at breakable objects, such as windows, etc.
- Do not operate trimmer without all guards and shields in place.
- Never leave the machine running unattended.
- Trim only in daylight or good artificial light.
- Do not operate the trimmer while under the influence of alcohol or drugs.
- Watch for traffic when operating near roadways.
- Use the trimmer as the manufacturer intended and as described in the manual.
- Do not operate trimmer if it has been dropped or damaged in any manner. Always have the damage repaired before operating.
- Always wear safety glasses or eye shields when using the trimmer.
- Dress properly. Do not operate the trimmer when barefoot or wearing open sandals. Wear only solid shoes for good traction when trimming. Wear long sleeved shirts or jackets, also long pants. Do not trim in shorts.
- Keep your eyes and mind on your trimmer and the area being trimmed.
- Do not let other interests distract you.
- Do not put hands and feet near or under rotating parts.
- Before cleaning, inspecting or repairing your trimmer, stop the engine and disconnect the spark plug wire and keep it away from the spark plug to prevent accidental starting.
- Do not operate the trimmer if it vibrates abnormally. Excessive vibration is a sign of damage. Stop the engine and safely check for damage and repair as required.
- Do not operate the trimmer in wet grass, where good footing may not be possible. Walk; never run
- Stop the trimmer when crossing gravel drives, etc.

# Slope Operation



**Slopes are a major factor related to loss of control and slip accidents, which can result in severe injury. All slopes require extra caution. If you feel uneasy on it do not trim it.**

- **DO:** Trim across the face of a slope and not up and down.
- **DO:** Remove objects such as rocks, tree limbs, etc.
- **DO:** Watch for holes, ruts or bumps. Tall grass can hide obstacles.
- **DO NOT:** Mow near drop-offs, ditches or embankments. The operator could lose footing or balance.
- **DO NOT:** Trim excessively steep slopes
- **DO NOT:** Trim on wet grass. Reduced footing could cause slipping.

## Children

- Keep children out of the area and under the watchful care of another responsible adult.
- Be alert and turn the machine off if children enter the area.
- Before and when backing, look behind and down for small children.
- Never allow children to operate this machine.
- Use extra care when approaching blind corners, shrubs, trees or other objects that may obstruct vision.

## Service

- Use extra care handling gasoline and other fuels. They are flammable and vapors are explosive.
- Use only an approved container.
- Never remove gas cap or add fuel with the engine running.
- Allow engine to cool before refueling. Do not smoke
- Never refuel the machine indoors.
- Never store the machine or fuel container where there is an open flame, such as a water heater.
- Never run a machine inside a closed area.
- Keep nuts and bolts tight and equipment in good condition.
- Never tamper with safety devices.
- Keep machine free of grass, leaves or other debris build up. Clean oil or fuel spillage. Allow machine to cool before storing.
- Stop and inspect the equipment if you strike an object. Repair if necessary before restarting.
- Never make repairs or adjustments with the engine running.



The operation of any cutter can encounter foreign objects to be thrown into the eyes, resulting in severe eye damage. Always wear certified safety glasses or wide-vision safety goggles for over spectacles before starting any cutting machine and while operating such a machine.



The operation of any cutter produces sound waves that are damaging to the human ear. Ear protection is recommended.



### CAUTION!

Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the machine and the mowing activity. **Never assume that children will remain where you last saw them.**



Do not operate the trimmer if it vibrates abnormally. Excessive vibration is a sign of Damage. Stop the engine and safely check for damage and repair as required

### CAUTION

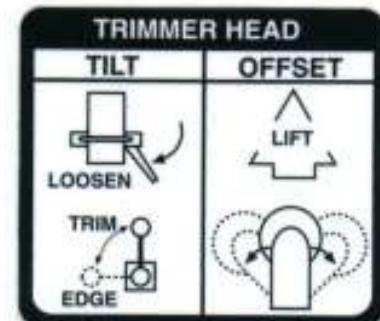
ADJUST STRING SHIELD  
TO KEEP DEBRIS FROM  
COMING BACK TOWARD  
OPERATOR.

### IMPORTANT

DO NOT CHANGE  
HEAD POSITION  
WHILE RUNNING

Caution Notice Decal  
OD67

Trimmer Head  
Instruction Decal  
OD68



### WARNING

#### AVOID SERIOUS INJURY OR DEATH

- DO NOT OPERATE WHEN CHILDREN OR OTHERS ARE AROUND. REMOVE OBJECTS THAT COULD BE THROWN BY THE CUTTING LINES.
- WEAR SAFETY APPROVED EYE PROTECTION WHEN OPERATING.
- DO NOT SERVICE OR ADJUST CUTTING HEAD OR OTHER MOVING PARTS UNLESS ENGINE IS STOPPED AND SPARK PLUG WIRE IS DISCONNECTED.
- KEEP SAFETY DEVICES, SUCH AS GUARDS AND DEFLECTORS, IN PLACE AND OPERATING.
- GO ACROSS SLOPES NOT UP AND DOWN.
- LOOK DOWN AND BEHIND BEFORE AND WHILE MOVING BACKWARDS.
- READ AND FOLLOW OWNER'S MANUAL.



Trim-Max Decal  
OD64



### WARNING

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Trim-N-Mow Decal  
OD65

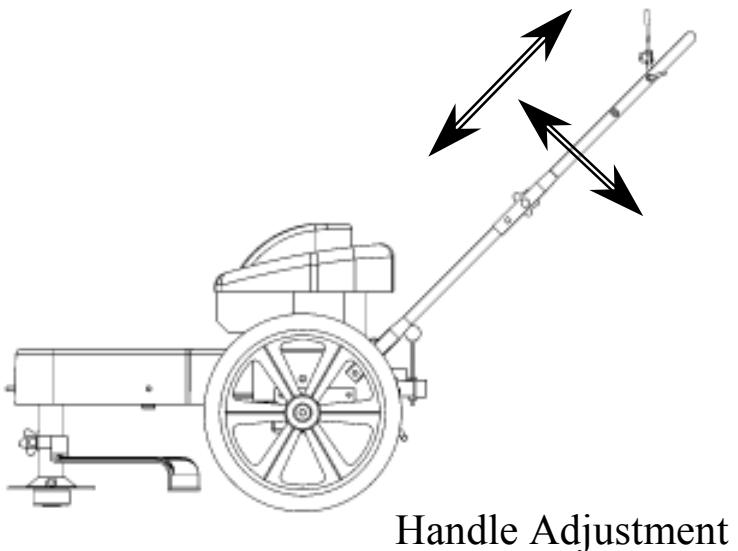
## Assembly

### Contents of Box:

- Trimmer
- Parts bag containing:
- Manual
- Engine manual
- Safety goggles
- Bottle of engine oil
- 4 sets of .155 trimmer line
- Cable Clip

### Tools Required:

- $\frac{1}{2}$ " wrench



### Installation of handles:

- Remove loose fasteners from lower handles.
- Pivot handles up and align lower hole in handles with hole on trimmer frame. Install hardware removed in previous step. Snug, but do not tighten bolts.
- Pivot upper handles to fit the lower handles. Tighten knobs.
- Adjust handles for comfortable operation.
- Tighten all bolts.

Handles may be adjusted up and down and in and out for comfortable operation.

## Installation Of Wheels

Refer to Page 12 for illustration.

- Slide axle through the mounting plates.
- Install Conical springs with the large diameter side against the Axle Plate.
- Install Flat Washer against the conical spring.
- Slip wheel on one side and install Cotter Pin.
- Bend cotter pin over to prevent it from falling out.
- Push the Axle completely over to the other side.
- Install the second wheel and insert cotter pin and bend. Some compression of the conical springs is necessary .

## Preparing Unit For First Use

- Fill engine crankcase with oil. A bottle has been provided with this unit. DO NOT OVERFILL.
- Fill the engine fuel tank with gasoline. GASOLINE SHOULD BE ADDED OUTSIDE IN A WELL-VENTILATED AREA.
- Check to ensure string has been installed properly. A diagram is provided just above the wheel for proper installation.

## Operation

**Important!** To ensure proper operation, clean the engine and trimmer regularly. Remove any build up of chaff from the top of the engine.

### **To stop the trimmer:**

- Release the control bail. Engine will stop immediately

### **To start the trimmer:**

- Remove any built up debris from engine.
- Pull control bail against the handle and hold.
- Push primer button on engine as directed.
- Pull back sharply on recoil starter handle.
- Begin trimming.

**Important! For safest operation, make sure debris is directed away from you and others.**

**Important! On 12 Volt Start units. For optimum battery performance, you should run engine for at least 15 Minutes after start to keep battery charged.**

## Trimming Hints

- Do not lift the trimmer head when trimming. Let the head rest lightly touching the ground.
- Keep an eye on the length of the trimmer line. As the line gets shorter they become less effective at cutting and will take longer to trim properly. Replace the line as necessary. (See installing cutter line).
- Do not trim wet grass.
- Use caution when trimming slopes.
- Use the proper length on line. Using a line too long for the unit will cause stalling and unacceptable operation.

# Installing Trimmer Line

Important! Use the proper length of line. Using a line too long for the unit will cause stalling and unacceptable operation.

5+ HP use 18" String

Pre Cut Line Purchase **P3618**



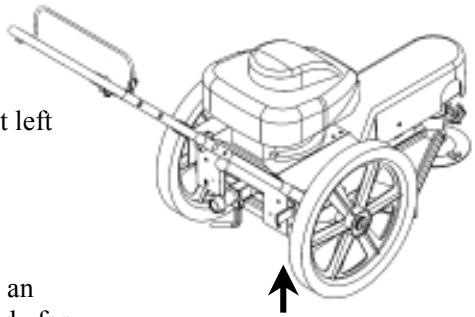
- Loosely fold cutter line in half.
- (1) Place loop of line against outside of loop on the trimmer head.
- (2) Bring ends around and through the loop and over the cutter line loop.
- (3) Pull ends to tighten loop.

## Trim-Max Operation

The Trim-Max trimmer is designed to also be used as an edge trimmer and to offset left to right for easier close trimming.

### Edge trimming/ Bevel Cutting

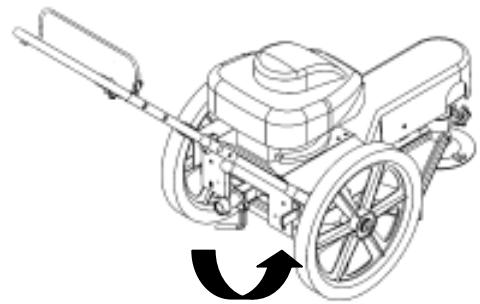
The trimmer disk may be tilted from horizontal to vertical so that it may be used as an edge trimmer. The head may also be tilted slightly to trim closer. This may be handy for trimming foundations without damaging the siding.



Trim-Max Pivot Adjustment

### To Tilt:

- Stop unit.
- Make sure head is in the straight forward position. (see offset operation)
- Loosen the trimmer tilt clamp lever. (Clockwise)
- Tilt head to desired position.
- Tighten trimmer tilt clamp lever. (Counter Clockwise)
- Adjust Lower trimmer shield to keep debris from coming back at operator.



Trim-Max Tilt Adjustment

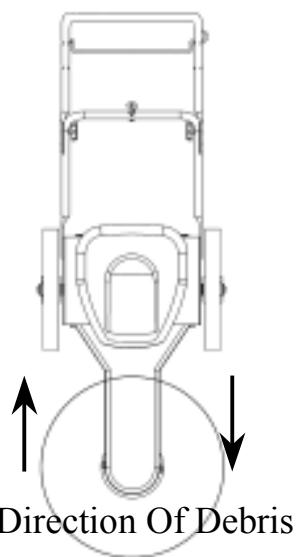
### Offset trimming.

The trimmer head may be offset to the left or right to allow trimming under bushes, etc.

### To Offset:

- Stop unit.
- Raise offset lever.
- Push or pull handles to achieve desired offset.
- Release offset lever. Make sure head has locked into position.
- Adjust lower trimmer shield to keep debris from coming back at operator.

**Important! Note direction of debris when offsetting head.  
Offsetting trimmer to the left is recommended.**



Direction Of Debris

# Trimmer Maintenance

Make sure your trimmer is in safe working condition by keeping the following guidelines in mind every time you use your trimmer.

- Keep trimmer in good operating condition and keep all guards and shields in place. DO NOT operate this trimmer if any of the shields and guards are missing.
- Check all fasteners for secure fit to keep equipment in safe working order. Make adjustments as necessary.
- To reduce fire hazards, keep engine free of grass leaves or excessive grease.
- DO NOT operate trimmer with a damaged or missing muffler. DO NOT tamper with exhaust system; this may cause a fire hazard.
- DO NOT operate engine if air cleaner or the cover over the carburetor air intake is missing. Removal of these parts could create a fire hazard.
- Before cleaning, making adjustments or repairing the trimmer, STOP engine, disconnect spark plug wire and allow engine to cool.
- Handle Gasoline with care. DO NOT smoke or use open flame near gasoline. Use only approved gasoline containers. Never fuel or run trimmer in poorly ventilated areas, such as a garage or utility building.
- Always replace fuel tank cap. Be sure to clean up any spilled gasoline.
- Do not change the engine governor settings or over-speed the engine; severe injury or damage may result.
- Never store mower, with gasoline in the tank, inside a building where fumes may reach an open flame or spark. Always allow engine to cool before storing



**NEVER ADD GASOLINE TO A HOT ENGINE – ALLOW ENGINE TO COOL BEFORE ADDING GASOLINE**



**WARNING – ALWAYS STOP ENGINE AND DISCONNECT SPARK PLUG WIRE BEFORE PERFORMING ANY ADJUSTMENTS OR SERVICE**

## Engine

- Refer to the engine service manual provided with this unit.

## Belt

- Occasionally check the belt for wear. A worn belt should be replaced.

## Belt Adjustment

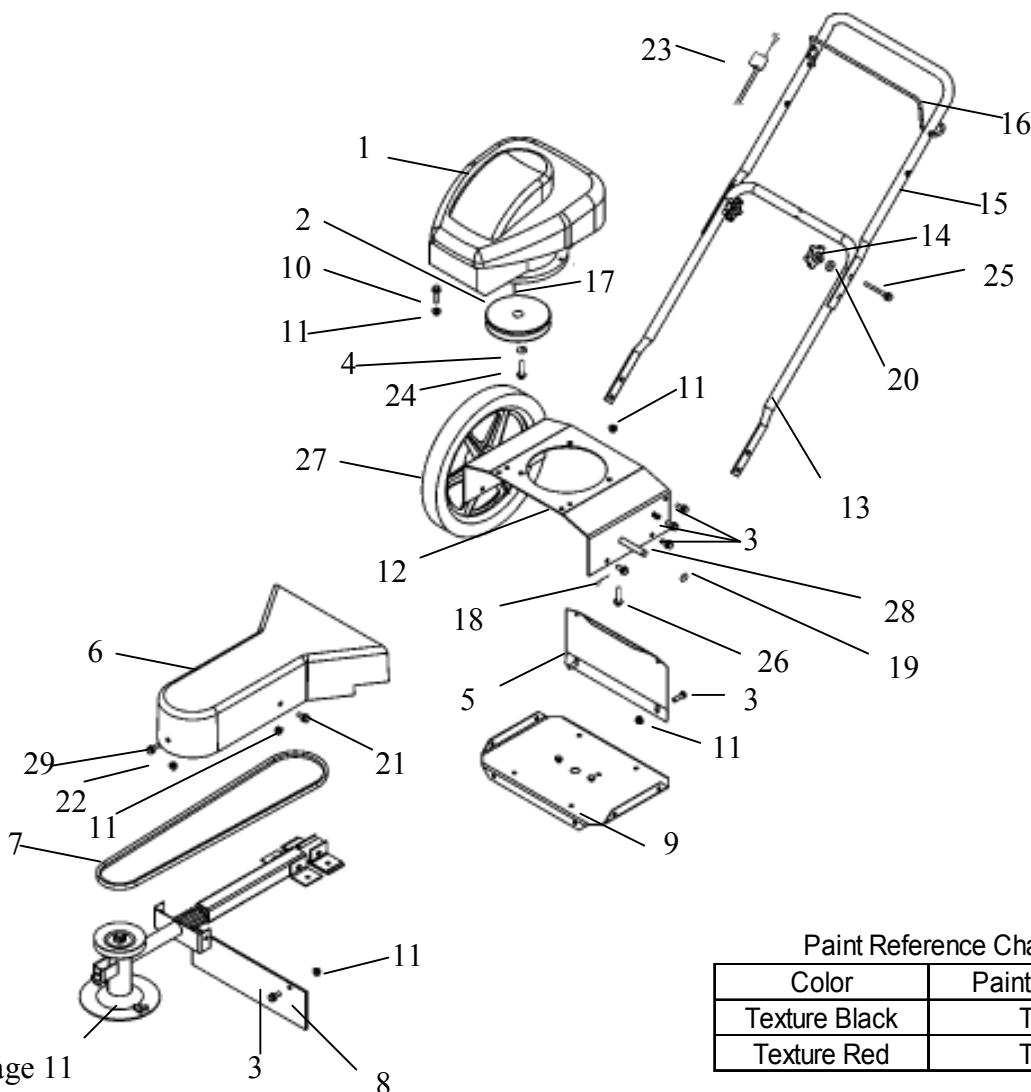
- The TRIM-N-MOW has an automatic belt tightener and needs no further adjustment
- The TRIM-MAX has an automatic belt tightener that automatically adjusts when the head is tilted. If you do not regularly tilt the head on your trimmer, it is recommended that you loosen the head twice a year. (See edge trimming)

## Belt Replacement

- Remove front belt cover.
- Push trimmer head toward back of unit, compressing tensioner spring.
- Remove old belt.
- Install new belt by first routing belt under the engine and around the engine pulley.
- Push trimmer head toward back of unit, compressing tensioner spring.
- Install belt over front pulley.
- Release trimmer head. Ensure that belt is correctly installed in the groove of the engine and front pulleys.

Re install front belt Cover.

# Trim-N-Mow



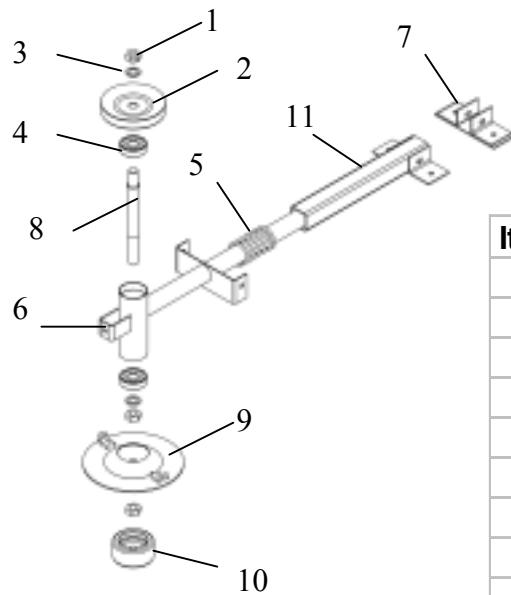
Paint Reference Chart

| Color         | Paint Code |
|---------------|------------|
| Texture Black | TK         |
| Texture Red   | TC         |

| Item # | Description                 | Part #  |
|--------|-----------------------------|---------|
| 1      | Briggs & Stratton Engine    | N/A     |
| 2      | Trimmer Pulley & Washer     | 2065    |
| 3      | 5/16-18 X 3/4 Serr Flg Bolt | NB596   |
| 4      | SP Washer Bellvile          | NB607   |
| 5      | Rear Cover                  | 2026    |
| 6      | Belt Guard                  | 2019    |
| 7      | Blade Belt                  | 2113    |
| 8      | Rubber Shield               | 2027    |
| 9      | Lower Motor Base            | 2006    |
| 10     | 5/16-18 X 1 1/4 Flange Bolt | NB253   |
| 11     | 5/16-18 Serrated Flange Nut | NB170   |
| 12     | Upper Motor Base            | 2005    |
| 13     | Lower Handle                | 10399TK |
| 14     | Black Plastic Knob          | 2030    |
| 15     | Upper Handle                | 10578TK |

| Item # | Description                     | Part # |
|--------|---------------------------------|--------|
| 16     | Operator Presence Bail          | 10397  |
| 17     | 3/16 X 1 Key Stock              | 9030   |
| 18     | Cotter Pin                      | NB126  |
| 19     | Conical Spring                  | 10004  |
| 20     | Washer                          | NB275  |
| 21     | 5/16-18 X 1/2 Bolt              | NB252  |
| 22     | 5/16-18 Square Nut              | NB449  |
| 23     | Operator Presence Cable         | 2034B  |
| 24     | 3/8-24 X 1 Engine Bolt Locktite | NB238N |
| 25     | 5/16-18 X 2 Carriage Bolt       | NB587  |
| 26     | 5/16-18 X 2 1/4 Flange Bolt     | NB622  |
| 27     | 14" Wheel                       | 2002   |
| 28     | Axle                            | 2025   |
| 29     | 5/16-15 X 3/4 Bolt              | NB596  |

## Trimmer Head Assembly for Standard



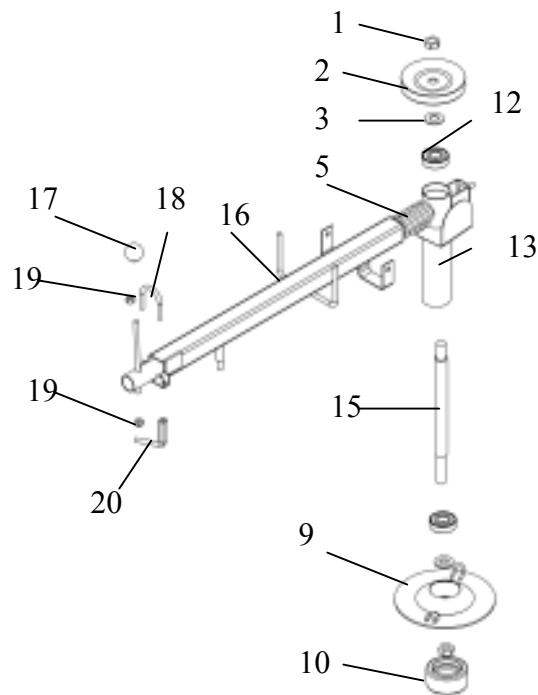
| Item # | Description                     | Part # |
|--------|---------------------------------|--------|
| 1      | 5/8-11 2 Way Lock Jam Nut       | NB595  |
| 2      | Blade Pulley- 4.5"              | 2049   |
| 3      | 5/8 ID X 1 OD 14 GA Washer      | NB149  |
| 4      | Blade Bearing                   | B985/8 |
| 5      | Compression Spring              | 2033   |
| 6      | Head Weldment                   | 2010   |
| 7      | Std Trimmer Stabilizer Weldment | 2032   |
| 8      | Spinner Shaft                   | 2024   |
| 9      | Trimmer Spinner Disc Weldment   | 2021   |
| 10     | Threaded Roller                 | 2035   |
| 11     | Trimmer Slide Weldment          | 2007   |

### Paint Reference Chart

| Color         | Paint Code |
|---------------|------------|
| Texture Black | TK         |
| Texture Red   | TC         |

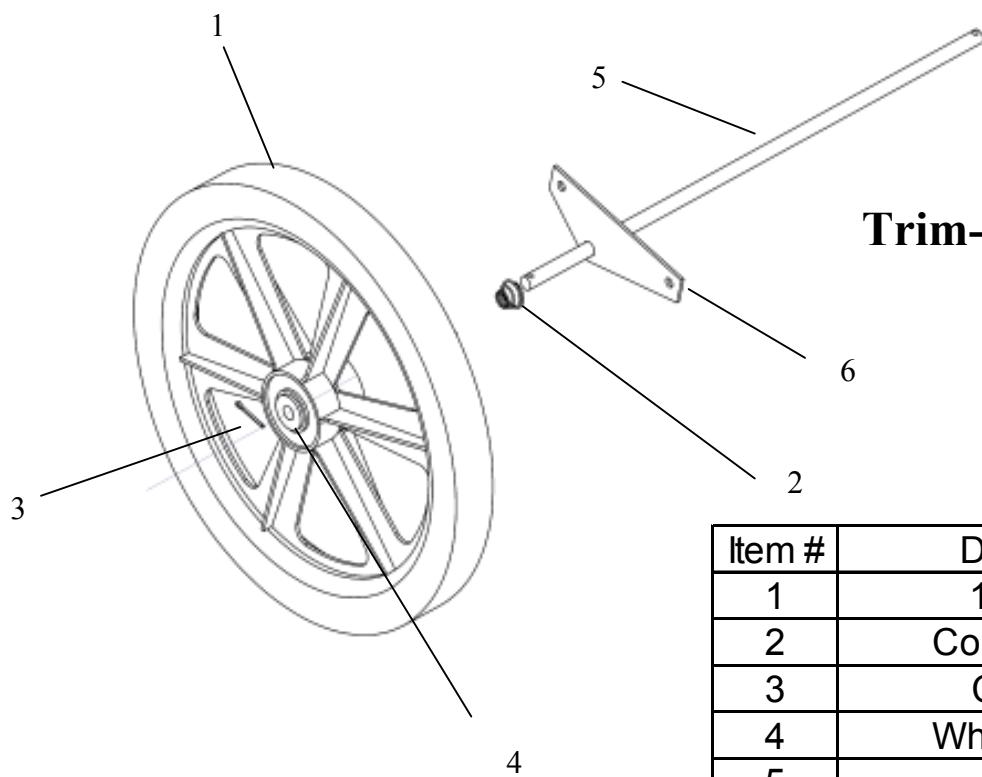
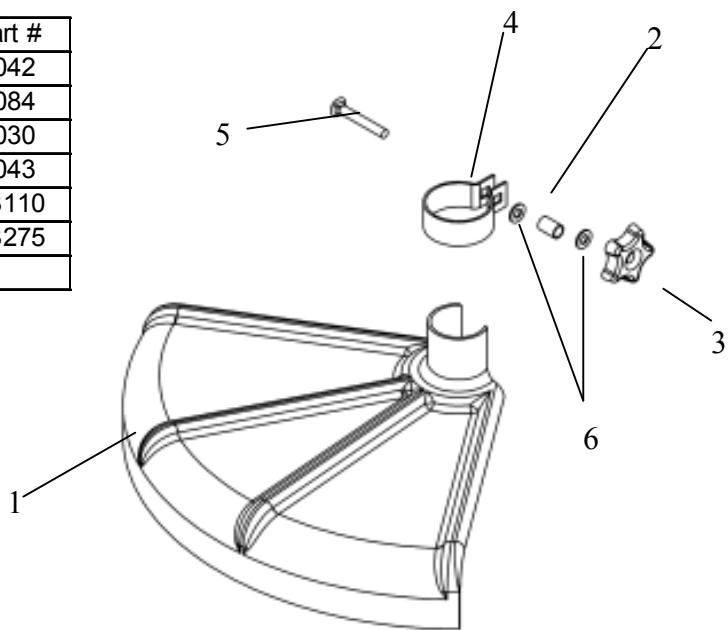
## Trimmer Head Assembly for Deluxe and 12V Deluxe

| Item # | Description            | Part # |
|--------|------------------------|--------|
| 12     | Blade Bearing          | B985/8 |
| 13     | Head Weldment          | 2110   |
| 15     | Spinner Shaft          | 2124   |
| 16     | Trimmer Slide Weldment | 2107   |
| 17     | Knob - Yellow          | 2079   |
| 18     | Tilt Clamp U Bolt      | 2075   |
| 19     | 5/16-18 Nyloc Nut      | NB181  |
| 20     | Handle Assembly        | 2080   |



## Service Part 2076 Parts Breakdown

| Item # | Description | Part # |
|--------|-------------|--------|
| 1      | Shield      | 2042   |
| 2      | Spacer      | 2084   |
| 3      | Knob        | 2030   |
| 4      | Clamp       | 2043   |
| 5      | Bolt        | NB110  |
| 6      | Washer      | NB275  |



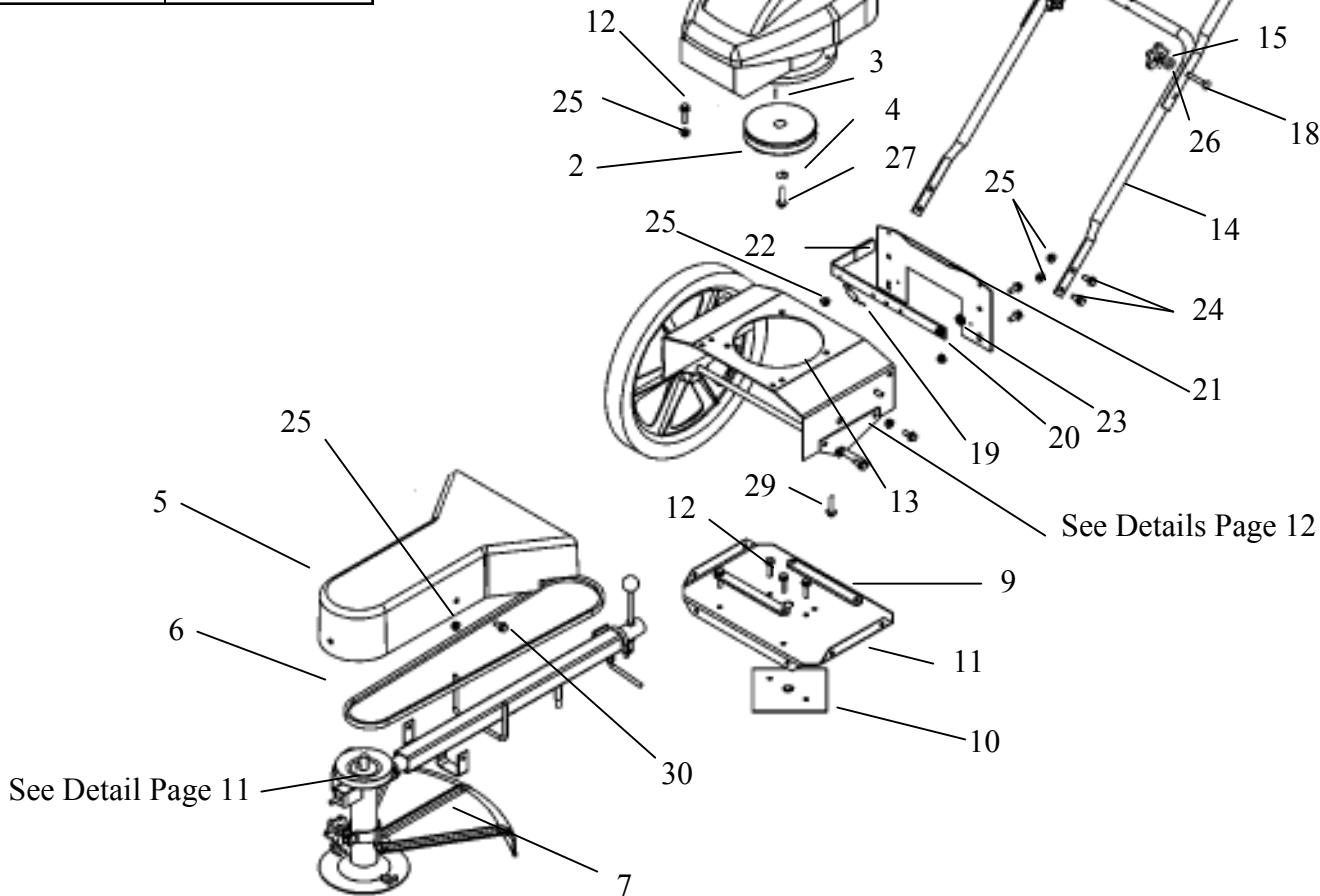
## Trim-Max Axle Setup

| Item # | Description    | Part # |
|--------|----------------|--------|
| 1      | 16" Wheel      | 2003   |
| 2      | Conical Spring | 10004  |
| 3      | Cotter Pin     | NB126  |
| 4      | Wheel Bearing  | MWB    |
| 5      | Axle           | 2025   |
| 6      | Axle Plate     | 2106   |

# Deluxe

## Paint Reference Chart

| Color         | Paint Code |
|---------------|------------|
| Texture Black | TK         |
| Texture Red   | TC         |

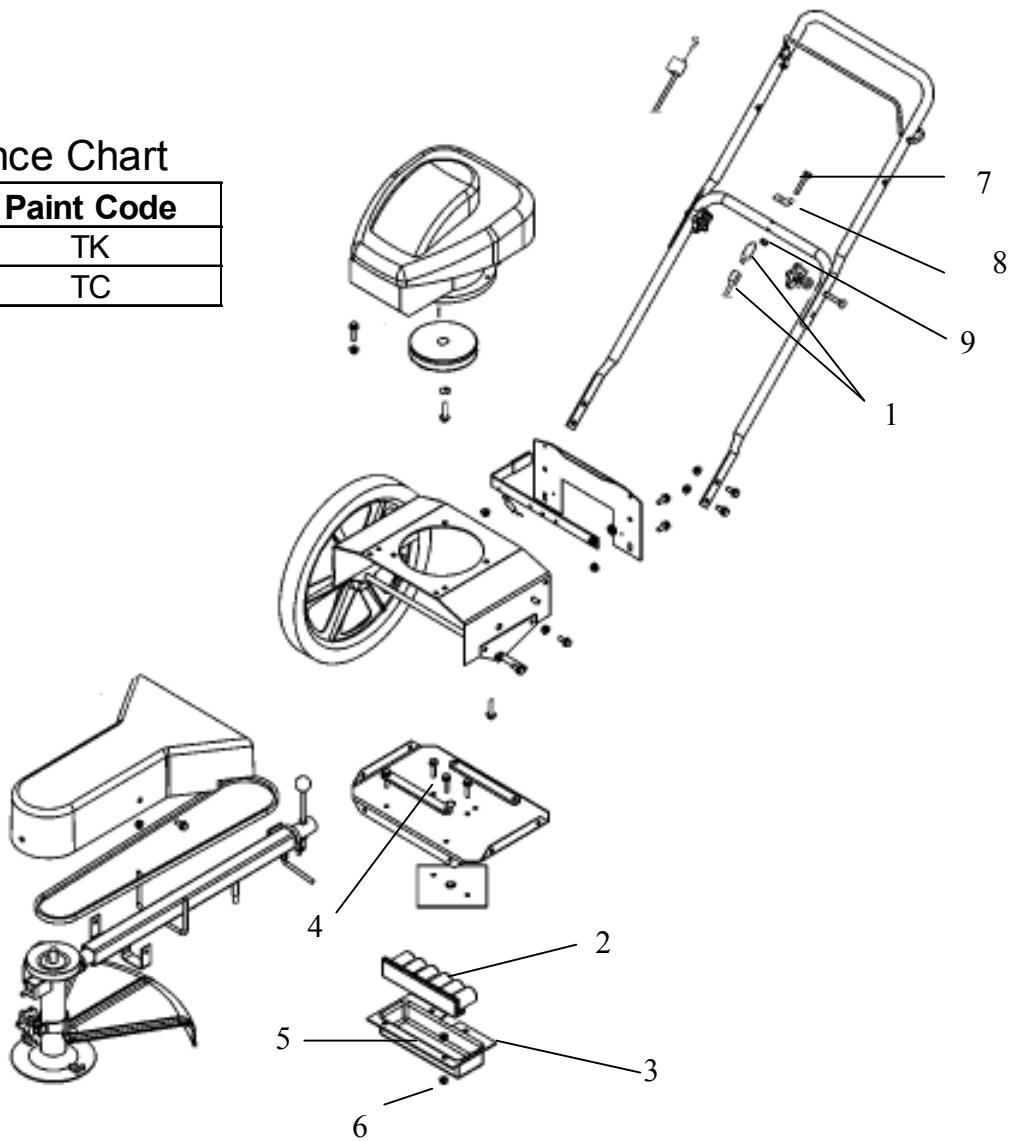


| Item # | Description                 | Part #  | Item # | Description                     | Part #  |
|--------|-----------------------------|---------|--------|---------------------------------|---------|
| 1      | Briggs & Stratton Engine    | N/A     | 16     | Upper Handle                    | 10578TK |
| 2      | Engine Pulley- 6"           | 2065    | 17     | Operator Presence Bail          | 10397   |
| 3      | 3/16 X 1 Key Stock          | 9030    | 18     | 5/16-18 X 1 1/2 Carriage Bolt   | NB587   |
| 4      | SP Washer Bellville         | NB607   | 19     | Spring                          | 2069    |
| 5      | Belt Guard                  | 2119    | 20     | Pivot Stop                      | 2040    |
| 6      | Blade Belt                  | 2113    | 21     | Rear Cover                      | 2126    |
| 7      | Lower Shield Sub Assy.      | 2076    | 22     | Handle Grip, Pivot              | 2077    |
| 9      | Wear Strip                  | 2116    | 23     | Spacer                          | B99S    |
| 10     | Pivot Plate Weldment        | 2073    | 24     | 5/16-18 X 3/4 Serr Flng Bolt    | NB596   |
| 11     | Lower Motor Base            | 2006    | 25     | 5/16-18 Serrated Flange Nut     | NB170   |
| 12     | 5/16-18 X 1 1/4 Flange Bolt | NB253   | 26     | Washer                          | NB275   |
| 13     | Upper Motor Base            | 2005    | 27     | 3/8-24 X 1 Engine Bolt Locktite | NB238N  |
| 14     | Lower Handle                | 10399TK | 28     | Operator Presence Cable         | 2034B   |
| 15     | Black Plastic Knob          | 2030    | 29     | 5/16-18 X 2 1/4 Serr Flg Bolt   | NB622   |
|        |                             |         | 30     | 5/16-18 X 1/2 Serr Flng Bolt    | NB252   |

# 12 Volt Deluxe

## Paint Reference Chart

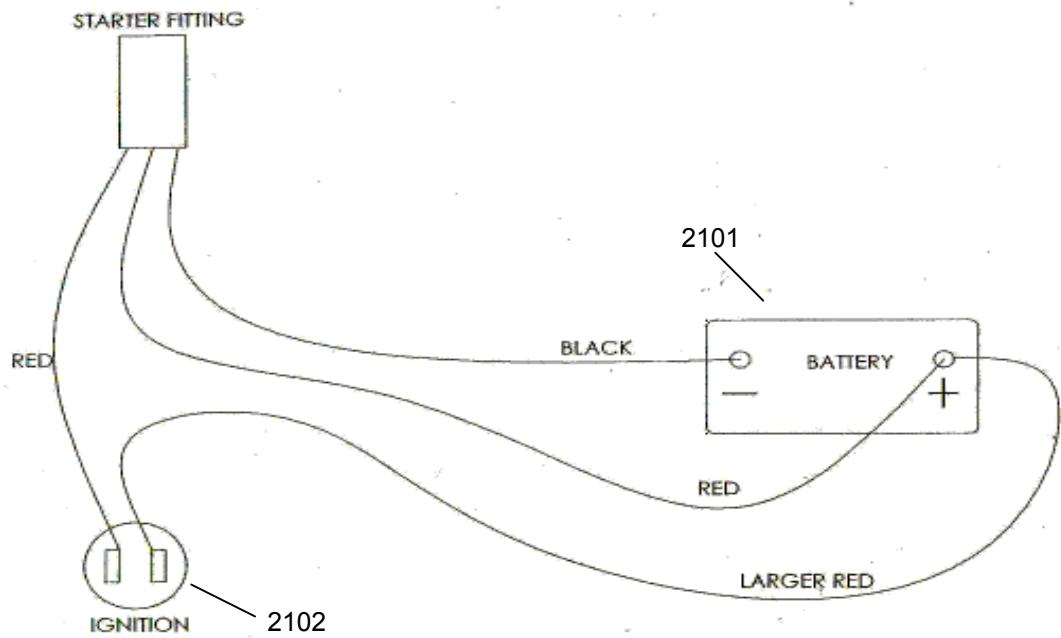
| Color         | Paint Code |
|---------------|------------|
| Texture Black | TK         |
| Texture Red   | TC         |



**For Additional Parts**

**See Page 13**

| Item #    | Description                      | Part # |
|-----------|----------------------------------|--------|
| 1         | Wiring Harness                   | 2120B  |
| Not Shown | Key Switch                       | 2102   |
| Not Shown | Keys For Key Switch (set of two) | KS     |
| 2         | Battery for Weedtrimmer          | 2101   |
| 3         | Battery Cover                    | 2105   |
| 4         | Bolt                             | NB253  |
| 5         | Nut                              | NB170  |
| 6         | Nut Nylock                       | NB181  |
| 7         | 5/16-18 X 1 1/2 Hex Bolt         | NB254  |
| 8         | Key Plate                        | 2118TK |
| 9         | 5/16-18 Nyloc Nut                | NB181  |



## 12 VOLT ELECTRIC START TRIMMER

## Notes



# OWNER'S MANUAL

## MODEL NO.

**ST60022Q**

**ST65022Q**

**ST65022DXQ**

**ST6002212V**

Each trimmer has its own model number. Each engine has its own model number. The model number for the trimmer will be found on the left hand side of the motor base. The model number for the engine will be found on the top of the blower fan housing.

All trimmer parts listed herein may be ordered directly from Swisher Mower & Machine Co. Inc. or your nearest Swisher dealer.

All engine parts may be ordered from the nearest dealer of the engine supplied with your mower.

WHEN ORDERING PARTS, PLEASE HAVE THE FOLLOWING INFORMATION AVAILABLE:

- \* PRODUCT - TRIMMER
- \* SERIAL NUMBER - \_\_\_\_\_
- \* MODEL NUMBER - \_\_\_\_\_
- \* ENGINE MODEL NUMBER - \_\_\_\_\_  
TYPE - \_\_\_\_\_
- \* PART NUMBER WITH PAINT CODE
- \* PART DESCRIPTION

TELEPHONE - 1-800-222-8183

FAX - 1-660-747-8650

**SWISHER MOWER & MACHINE CO. INC.**  
1602 CORPORATE DRIVE  
P.O. BOX 67  
WARRENSBURG, MO 64093



**SWISHER MOWER & MACHINE CO. INC.**